

WHAT IS CLAIMED IS:

1. An image forming apparatus comprising:

scanning means for scanning a photosensitive member with a first light beam and a second light beam;

5 a first memory for storing an image signal for modulating the first light beam;

a second memory for storing an image signal for modulating the second light beam; and

memory control means for starting writing an image
10 signal for a first light beam in said first memory before an image signal for a first light beam for previous scanning is read out from said first memory, and starting writing an image signal for a second light beam in said second memory after an image signal for a
15 second light beam for previous scanning is read out from said second memory.

2. An apparatus according to claim 1, wherein said memory control means controls the memory write-in
20 so as not to simultaneously execute the write-in of said image signal for a first light beam and the write-in of said image signal for a second light beam.

3. A memory write-in control method for an image
25 forming apparatus having

scanning means for scanning a photosensitive member with a first light beam and a second light beam,

member with a first light beam and a second light beam,

a first memory for storing an image signal for
modulating the first light beam, and

a second memory for storing an image signal for
5 modulating the second light beam, comprising the steps
of:

starting write-in of an image signal for a first
light beam in the first memory before an image signal
for a first light beam for previous scanning is read
10 out from the first memory; and

starting write-in of an image signal for a second
light beam in the second memory after an image signal
for a second light beam for previous scanning is read
out from the second memory.

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4. A method according to claim 3, wherein the
first light beam image signal write-in step and the
second light beam image signal write-in step are not
simultaneously executed.